

# Yash Kulkarni

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## Education

### Virginia Tech

August 2023 – Present

*Master of Engineering in Computer Science*

GPA: 3.8/4

Coursework: Machine Learning - 1, Software Engineering, Cloud Computing, Information Visualization

### MIT World Peace University, India

June 2018 – June 2022

*Bachelors of Technology in Computer Science*

GPA: 9.1/10

Coursework: Data Structures, Object Oriented Programming, Operating Systems, Computer Architecture

## Work Experience

### Cvent

June 2024 – August 2024

*Software Engineer Intern*

*Tysons, VA*

- Was a part of Cvent's Application Security team and worked on an internal **end-to-end application** which is responsible for generating customer-facing artifacts.
- Developed a feature that summarizes the outcomes of penetration tests conducted by the Application Security team using **React.js, Flask and PostgreSQL**.
- Integrated **Cvent's AI Writing Assistant** to ensure uniformity in the tone of customer-facing documents.
- **Enhanced** and **optimized** the application by improving its functionality and **resolved** existing bugs.

### Plural Technology Pvt. Ltd.

July 2022 – June 2023

*Software Engineer*

*Pune, India*

- Implemented Data Engineering processes for the seamless ingestion of **20 million** records into the ArangoDB graph database.
- Implemented optimized data pipelines and analytics solutions using **Snowflake**, enabling efficient data processing and real-time insights for large datasets.
- Performed Data Analysis using **Python, SQL, Pandas** and **PowerBI** to generate valuable insights.
- Deployed and supervised the ArangoDB database on **RedHat OpenShift** container platform with the help of **Docker**.

### Plural Technology Pvt. Ltd.

March 2021 – June 2022

*Software Engineer Intern*

*Pune, India*

- Utilized the **Arango-Search**, which is a search engine for effective information search and fuzzy search, on **ArangoDB**.
- Utilized **Hackolade**, a data modeling tool, to create data models, used to eliminate redundancy, reduce storage needs, and facilitate efficient data retrieval.
- Accelerated project delivery and enhanced team productivity by applying **Agile** methodologies using **Jira**.

## Technical Skills

**Languages & Database:** Python, Java, C++, JavaScript, TypeScript, React.js, Flask, PostgreSQL, MongoDB

**Software & Tools:** Git, Docker, RedHat OpenShift, Linux, Excel

## Projects

### E-commerce Website with Recommendation System | *React.js, Django, PostgreSQL* August 2023 - December 2023

- Developed a full-stack e-commerce web application that allows users to browse, purchase, and review products.
- Implemented a personalized product recommendation system using a collaborative filtering algorithm and integrated it into the platform to enhance user experience.
- Designed a RESTful API in Django to handle product listings, reviews, and user orders, with a PostgreSQL database to store product, user, and order data.

### Automated Attendance System with Face Recognition | *Python, OpenCV, Flask, SQLite* January 2024 - May 2024

- Developed an automated attendance system that captures and registers student attendance using facial recognition technology.
- Utilized OpenCV for real-time face detection and Python's dlib library for face recognition, creating a seamless attendance marking process.
- Designed a Flask web application for faculty to monitor and manage student attendance, with a user-friendly interface for uploading and viewing reports.